(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 3 February 2005 (03.02.2005)

PCT

(10) International Publication Number WO 2005/009299 A1

(51) International Patent Classification⁷:

A61F 2/44

(21) International Application Number:

PCT/IL2004/000674

(22) International Filing Date: 25 July 2004 (25.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/489,914

25 July 2003 (25.07.2003) US

60/512,192

20 October 2003 (20.10.2003) US

- (71) Applicant (for all designated States except US): IMPLI-ANT LTD. [IL/IL]; 43 Hamelacha Street, PO Box 8630, 42504 Ramat Poleg (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ARNIN, Uri [IL/IL]; 1 Ha'amelim Street, 36089 Kiryat Tivon (IL). SUDIN, Yuri [IL/IL]; 614B Tlamim Street, 71452 Lod (IL). TAUBER, Michael [IL/IL]; 12/8 Bavli Street, 62331 Tel Aviv (IL).

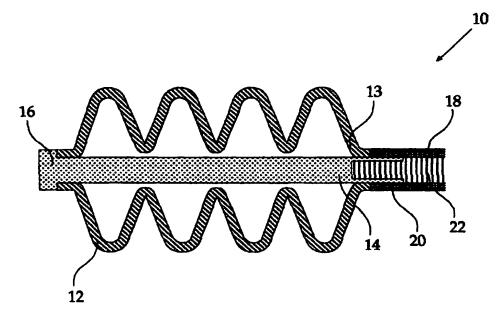
- (74) Agent: KLEIN, David; Beit HaRof'im, 18 Menuha VeNahala Street, Room 27, 76209 Rehovot (IL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG. PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: ELASTOMERIC SPINAL DISC NUCLEUS REPLACEMENT



(57) Abstract: A spinal disc nucleus replacement including an elastomeric sheath (12) assembled around a rod (14), a portion of the sheath being arranged for sliding along the rod, and a sheath compactor (18) adapted to slide a portion of the sheath along the rod from a first position to a second position, wherein in the first position the sheath is in a non-expanded orientation and in the second position the sheath is in an expanded orientation wherein folds of the sheath expand radially outwards from the rod.

WO 2005/009299 A1



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.